

20-3-30/52

Electrophoretic Investigation of Phospholipase C

of the enzyme of Cl. oedematiens was at least 100-fold weaker. The results of the electrophoretic fractionating are recorded graphically on tables 1 - 3, From the obtained results it follows: 1.) Phospholipase C of the Varshavskiy-preparations behave like an electrophoretic homogeneous block with a mobility approximated to zero (at pH 8,6). The ferment of the Moscow preparations is electrophoretically heterogeneous. 2.) Phospholipase C of the Varshavskiy preparations after an electrophoretic fractionating entirely retain their original activity (in dissolved state). The enzyme of the Moscow preparations in the course of the experiment renders inactive (up to 70 % at TF-2). 3.) At fractional distillation of the Varshavskiy preparations a 26-fold cleansing of the isoelectric form of the phospholipase C with 50 % of the yield (referred to the total activity of the electrophoretically treated preparations) was obtained. At the occasion of such a fractionating of the Moscow preparations, previously cleansed 5 times by ethanol fractionating, a 18,5-fold total cleansing of the isoelectric form of the enzyme (with a yield of only 1,5 %) was obtained; the same succeeded for the negatively charged form of the ferment with an electrophoretic mobility near to $-2,5 \cdot 10^{-5} \text{ cm}^2/\text{sec}^{-1} \cdot \text{V}^{-1}$ 17-fold (yield 7 %). The electrophoregram of the phospholipase C of

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20-3-30/52

An Electrophoretic Investigation of Phospholipase C

Cl. oedematiens has 2 culminating points (tops). The main top of the phospholipase-C-activity corresponds to a protein of a high anode-mobility = $-6,5 \cdot 10^{-5} \text{ cm}^2/\text{sec.}^{-1} \cdot \text{V}^{-1}$. In the range of the zero-mobility the active protein is absent. That shows a new difference of species of the phospholipase C from Cl. perfringens and Cl. oedematiens. The peculiar difference of phospholipase C of the Moscow preparations of the α -toxin of Cl. perfringens from the same enzyme of the Varshavskiy-preparations, above all may be conditioned by the aging of the living culture (18 instead of 5 - 6 hours), as well as by dry preparations (more than 8 years). There are 3 figures, 1 table, and 10 references, 4 of which are Slavic.

ASSOCIATION: Institute for Biological and Medical Chemistry, Academy of Medical Sciences USSR Moscow, State Institute for Hygiene, Warsaw
(Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR Moskva, Gosudarstvennyy institut gigiyeny, Varshava)

PRESENTED: July 22, 1957, by A. I. Oparin, Academician

SUBMITTED: July 19, 1957

AVAILABLE: Library of Congress

Card 3/3

MEDUSKI Yezhi

ORLOWSKAYA, B., MEDUSKI, I. and USPENSKAYA, V. D. (Moscow. USSR)

"Die Quantitative Bestimmung von Phospholipase C."

report submitted IV Intl. Cong. of Biochemistry, Vienna, 1 - 6 Sep 1958.

MEDUSKI, J.

Establishment of the Polish Biochemical Society. p. 403. The cooperation of the Polish Academy of Sciences with the international biological organizations. p. 407

POSTĘPY BIOCHEMI. (Polska Akademia Nauk. Komitet Biochemiczny)
Warszawa. Vol. 4, No. 3, 1958
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

MEDUSKI, J.

Biochemical studies at Lomonosov University in Moscow. p. 408.

POSTEPY BIOCHEMI. (Polska Akademia Nauk. Komitet Biochemiczny)
Warszawa. Vol. 4, no. 3, 1958
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

EXCERPTA MEDICA Sec 2 Vol 12/11 Physiology Nov 59

5097. QUANTITATIVE DETERMINATION OF PHOSPHOLIPASE C - Orłowska B., Meduski J. and Uspienskaya W.D. Lab. of Intermediate Metab., State Inst. of Hyg., Warsaw; Inst. of Biochem., Acad. of Med. Scis, Moscow - BULL. ACAD. POL. SCI. CL. 2 1958, 6/11-12 (463-469) Graphs 7 Tables 6

A modified method of Van Heyningen (Biochem.J. 1941, 35, 1246) is presented. The modifications include: (1) constant relative concentration of substrate and calcium; (2) stoppage of reaction by cooling to 0°; and (3) spectrophotometric determination of turbidity at 815 mμ. Effects of time, temperature and pH on the action of the phospholipase on lecithin were studied. The pH optimum was found to be 6 to 6.5. Applications of this method to the determination of phospholipase C of *Clostridium oedematiens* and *C. perfringens* were made. Tsao - Ann Arbor, Mich.

MEDUSKI, Jerzy; WOLKOWA, Margarita

Determination of molecular weight of *Clostridium perfringens* welchii phospholipase C inactivated by gamma rays. Med. dosw. mikrob. 10 no.2: 247-254 1958.

1. Z Panstwowego Zaklady Higieny w Warszawie i z Instytutu Biochemii im. A. N. Bacha w Moskwie.

(CLOSTRIDIUM PERFRINGENS,

phospholipase C. molecular weight of gamma-ray inactivated prep. (Pol))

(TRANSPHOSPHORYLASES,

phospholipase C from *Clostridium perfringens*, molecular weight of gamma-ray inactivated prep. (Pol))

(GAMMA RAYS, effects,

Clostridium perfringens phospholipase C inactivation, molecular weight (Pol))

MEDUSKI, Jerzy

Thermolabile non-specific immune system of the normal serum.

Postepy biochem. 5 no.2:179-192 '59.

(PROPERDIN)

MEDUSKI, Jerzy

USPENSKAYA, V.D.; MEDUSKI, Yezhi [Meduski, Jerzy]. stipendiat

Electrophoretic studies on phospholipase C. Vopr. med. Khim.
5 no.3:163-174 My-Je '59. (MIRA 12:7)

1. Institute of Biological and Medical Chemistry, Academy of
Medical Sciences, Moscow, and the State Institute of Hygiene,
Warsaw. 2. Polish Academy of Sciences (for Meduski).

(ESTERASES, determ.

phospholipase C, electrophoresis (Rus))

MEDUSKI, Jerzy; ORLOWSKA, Barbara

Changes of lecithin composition of the contents of the yolk sac
in chick embryo following infections with *Coxiella burnetii* or
Rickettsia prowazekii. Med. dosw. mikrob. 11 no.2:135-140 1959.

1. Z Pracowni Metabolizmu Posredniego PZH.
(LECITHINS, metab.)(COXIELLA, infect.)
(RICKETTSIA PROWAZEKII, infect.)

ORLOWSKA, Barbara; MEDUSKI, Jerzy; USPIENSKAJA, Wiera D.

Development of a method for quantitative determination of phospholipase C in *Clostridium perfringens* and *Clostridium oedematis*.
Med. dosw. mikrob. 11 no.2:141-147 1959.

1. Z Pracowni Metabolizmu Posredniego P. Z. H. w Warszawie i
Instytutu Biochemii A.N.M. ZSRR w Moskwie.
(*CLOSTRIDIUM PERFRINGENS*, metab.) (*CLOSTRIDIUM*, metab.)
(ESTERASES, chem.)

621.316.1 : 621.315.2
 4470. ONE OF THE METHODS OF SAVING NON-FERROUS
 METALS IN URBAN DISTRIBUTION SYSTEMS.
 M.D.Kamenskii, B.L.Alexandrov and N.L.Medvedskii.
 Elektrichestvo, 1957, No. 2, 21-5, in Russian.

It is well-known that copper saving in urban power systems is achievable by replacing single large-section cables by cable pairs of smaller section. Hitherto this method was only used in 6-10 kV supply systems, but not in 6-10 kV distribution and 1 v. systems, because of increased lead consumption and also because the thermal stability of the small-section cables under short-circuit currents was insufficient. Since production of 1 v. cables without lead sheath has started and such cables will shortly be available for 6-10 kV, the first reason for not using double cables has been eliminated, and where the cable section is determined from the thermal resistance under short-circuit currents, advantage can be taken of this method of copper-saving. However, the primary costs also include those of cable-laying, and these may in some cases be fairly high, this depending on the kind of sealing of the roads which have to be remade (e.g. asphalt, diabase). The possibility and economy of the use of double cables therefore depends on how safe the circuits can be rendered by appropriate circuit layout and selective protection by fuses. Calculations for half-closed and return-loop systems are carried out for concrete cases, including exact determination of the selective fuse protection with cut-out times and experimental checks on the correctness of results. The method of determining the cable sections and selectivity of the fuse protection is fully confirmed as reliable in all the cases considered, which refer to a fairly wide selection of system variants.

B.F.Kraus

MEDVEC, A.

The method of the triple indefinite rule for the graphic solution of complicated space systems. p. 363. (STROJNOSTROJNICKY ZASOBY, Vol. 7, No. 6, 1956, Bratislava, Czechoslovakia)

See: Monthly List of East European Accessions (EEAL) 10, Vol. 6, No. 12, Dec 1957. Encl.

KEDVEC, A.

Static solution of complex plane systems by the method of indefinite values.

P. 151, (Strojnoelektrotechnický časopis) Vol. 9, no. 2, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (E-AL) Vol. 1, no. 11 November 1957

MEDVEC, Andrej, inz.

Design of geometric parameters for construction of plane mechanisms used for solving algebraic functions x_4 of three arguments x_1, x_2, x_3 , given in an implicit form. Stroj cas 13 no.4:382-390 '62.

1. Katedra technickej mechaniky, Vysoka skola technicka, Kosice.

L 14019-65 FS(m)/EMT(1)/EMF(m)/EAG(v)/T-2/FCS(k) Pd-1/Pe-5 ASD(a)-5/AFTC(a)/
AEDC(b)/AFETR/ASD(r)-2/ASD(p)-3/ESD(sl)/ESD(dp)

Z/0032/63/013/006/0415/0423

ACCESSION NR: AP3002919

AUTHOR: Medvec, A. (Assistant docent, Engineer); Kuniak, M. (Engineer) B

TITLE: Plotting the aerodynamic profile of a defined mathematical function

SOURCE: Strojirenstvi, v. 13, no. 6, 1963, 415-423

TOPIC TAGS: aerodynamic profile, fourth degree algebraic equation, graphic construction, rectangular coordinate system, two variable function, kinematic and dynamic solution, blade profile

ABSTRACT: The article deals with the mathematical expression of the profile of a blade obtained by the transformation of a circle. A biquadratic equation with two variables and four coefficients is chosen as the function of the blade profile. The expressed profile is reduced to a circle either by graphic construction or by a relatively simple drafting machine with one degree of freedom. The geometric parameters for the graphic construction of the profile are investigated, the aerodynamic profile, the construction of tangents to any point of the considered profile, and the projection of the geometric parameters for the construction of the drafting machine for plotting the profile

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ACCESSION NR: AP3002919

are analyzed. The term "aerodynamic profile" is used to denote one of the lines determining the surface of the profile, as a graphic surface. In the solution of the problem, the point of departure is the analytical form of a function with two variables x and y defining the aerodynamic profile $F(x,y) = 0$, expressed in a rectangular coordinate system x,y in the interval $\alpha \leq x \leq \beta$ where α and β are real numbers. In this article only the most essential calculations are made. The complete kinematic and dynamic solution would be much longer and is not necessary to the present treatment. Orig. art. has: 16 figures and 63 formulas.

ASSOCIATION: VST, Kosice

SUBMITTED: 00

ENCL: 00

SUB CODE: PR, MA

NO REF SOV: 000

OTHER: 001

Card 2/2

L-41673-65 EWT(m)/EWP(w)/EWA(d)/EWP(v)/T-2/EWP(t)/EWP(k)/EWP(b)/EWA(o)
 ACCESSION NR: AP5007764 Pf-4 JD/H/ Z/0041/65/000/001/0006/0013

EM

AUTHOR: Medvec, A. (Medvec, A.) (Docent, Engineer); Kuniak, M. (Kunyak, M.)
 (Engineer)

TITLE: The kinetics of grinding turbine blade configurations

SOURCE: Strojnický časopis, no. 1, 1965, 6-13

TOPIC TAGS: turbine blade manufacture, turbine blade grinding, blade configura-
 tion, grinding kinetics, automatic grinding

ABSTRACT: The kinetics of mechanical methods for grinding aerodynamic shapes such as turbine blades are discussed with a view toward replacing present methods of hand grinding with felt wheels or flexible bands. Asymmetrical conchoidal curves are first analyzed by elliptical diagrams to establish the geometrical laws and maximum precision obtainable without the use of copy patterns. On this basis, a mechanism composed of six members was developed (Fig. 1 of the Enclosure) to apply the grinding wheel to the work, as well as another variation (Fig. 2 of the Enclosure) in which the blade blank is pressed against the resilient grinding wheel. Further diagrammatic study produced a kinetic scheme for a nine-membered apparatus lying in one plane (Fig. 3 of the Enclosure) which cannot be blocked at any point and which applies the blade blank vertically against the wheel while twisting the work as required by predetermined measurements. This apparatus can

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L 41673-65

ACCESSION NR: AP5007764

2

also be used to analyze aerodynamic shapes by tracing their curves while gradually tightening the twists to desired positions. It can be used for the rough grinding of blade blanks if they are not too complicated in profile and if the resilient grinding wheel can be held in continuous contact with the work piece. "The authors thank Eng. Dr. J. Jerie, corresponding member of CSAV, for his suggestions as to the type and purposes of the apparatus." Orig. art. has: 11 figures and 1 formula.

ASSOCIATION: VST Kosice, Slovakia

SUBMITTED: 20May64

ENGL: 02

SUB CODE: IE, PR

NO REF SOV: 000

OTHER: 000

Card 2A

MEDVE, Ferenc; PAPPNE SZOLLOSI, Erzsebet, dr.

Study of primary irritating effect and acute toxicity of
plastics. Borgyogy. vener. szemle 39 no.6:273-282 D '63.

1. A Debreceni Orvostudományi Egyetem Kozegeszsegtani Intezetének
(Intezet igazgató: Jeney Endre dr. egyetemi tanár) közleménye.
(PLASTICS) (POLYMERS) (DERMATITIS, CONTACT)
(RESINS) (CORNEA) (CONJUNCTIVA)
(MUCOUS MEMBRANES)

Country : CZECHOSLOVAKIA
 Category : Farm Animals. 2
 Cattle.
 Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96851
 Author : Medvecký, Dusan
 Institut. :
 Title : The Problem of Feeding Protein Silage to
 Calves up to the Age of Six Months.
 Orig Pub. : Mas chov, 1957, No 24, 661-663
 Abstract : As a special kind of silage was introduced into
 the diet of calves (80 percent of clover cut
 before blooming, 20 percent of young green corn
 and 2 kg per 100 kg of silage mass of molasses),
 the following results were obtained: in the ex-
 perimental group the average weight of calves
 amounted to 234.6 kg at the age of 180 days, in
 the control group to 210.35 kg at the age of
 170 days. Correspondingly, the average daily
 weight gains amounted to 1045 and 905.8 g. The
 Card: 1/2

MEDVECKY, J.

Ectodermic-mesenchymal test in neuroses and mental diseases,
Bratisl. lek. listy 34 no.12:1382-1391 Dec 54.

1. 2 Psych. klin. PLFUK v Kosiciach, predn. doc. MUDr Z.Klino
(NEUROSES, diagnosis
ectodermic-mesenchymal test)
(MENTAL DISORDERS, diagnosis
ectodermic-mesenchymal test)

EXCERPTA MEDICA Soc.6 Vol.12/4 Internal Med. April 58

MEDVECKÝ J.

2562. PSYCHOTIC STATE IN ADDISON'S DISEASE - Psychotický stav v priebehu Addisonovej choroby - Medvecký J. Psychiat. Klin. Lek. Fak., Univ. Komenského, Košiciach - BRATISLAVSKÉ LEKÁRSK. LISTY 1957, 37/9 (557-559)

The main symptoms of one out of 3 patients admitted to hospital were agitation, aggressivity, visual, auditory and (probably) taste hallucinations and paranoic ideas. The 2nd patient also showed visual and auditory hallucinations, with anxiety, depression and a sense of weight. The 3rd patient was depressive, apathic and not capable of fluently reading aloud. His imagination was impaired, the memory weakened and he had anxiety dreams.

Freund - Prague (VIII, 6)

MEDVECKY, J.; STANCIK, A.

Our experiences with the preparation RP 7843. Activ. nerv. sup. 3
no.2:233-234 '61.

(TRANQUILIZING AGENTS ther)

CZECHOSLOVAKIA

A. GRADA¹ and J. MEDVEČEK², 3rd and 4th Clinic and Pediatric Clinic of Medical Faculty of P.J. Šafář University (Chirurgická klinika a psychiatrická klinika Lékařské fakulty UPJŠ University P. J. Šafářy) Košice.

"Psychic Disturbances Following Closed Craniocerebral Trauma."

Prague, Československá Psychiatrie, Vol 53, No 1, Jan 66; pp 1-11.

Abstract [English summary modified]: Statistical data and details of 200 patients with various types of recent head injuries. 52% of them had various psychic difficulties, most frequent being memory lapses (22%) and sleeplessness (20%). Data from 100 returned questionnaires are also tabulated, listing mental-emotional complaints after accident. In most, intellectual functions and memory were affected to varying degrees depending on age, location and severity of injury and other factors. Five diagrams, 5 Soviet, 4 Czech, 1 Hungarian and 17 Western references.

CZECHOSLOVAKIA

MEDVECKY, J.

Psychiatric Clinic LF UPJS (Psychiatricky klinika LF UPJS),
Kosici

Bratislava, Lekarsky obzor, No 9, 1963, pp 559-563

"Analysis of the Appearance of Debrad."

MEDVECKY, J.

Ectoderm-mesenchyme relation on optic papilla in puerperal
psychoses and neuroses. Activ.nerv. sup. 6 no.1:81-82 '64

*

MEDVECKY, J.

60th anniversary of Professor MUDr. Z. Klimo. Bratisl. lek.
listy 45 no.12:747-748 31 D '65.

MEDVECKY, J.; SZUTTOROVA, K.

Mental disturbances after thyroidectomy. Cesk. psychiat. r.
no.4:240-247 Ag '65.

1. Psychiatricka klinika Lekarskej fakulty Univerzity P.J.
Safarika v Kosiciach.

MAJOR, I.; MEDVECKY, J.; KOLIBAS, E.

Relation of the laterality of alpha-rhythm to hemispheric dominance. Cesk. psychiat. no.61 no.6:378-383 D ' 65.

1. Psychiatricka klinika Lekarskej fakulty University P.J. Safarika, Kosice.

MEDVECKY, J.

Psychopathological manifestations in glandular cystic hyperplasia. Cesk. psychiat. no. 61 no.6: 384-388 D '65.

1. Psychiatricka klinika Lekarskej fakulty University
P.J. Safarika v Kosiciach.

L 44739-66

ACC NR: AP6032878

SOURCE CODE: CZ/0083/65/000/006/0378/0383

AUTHOR: Major, I.--Mayor, I.; Medvecky, J.--Medvet'skiy, I.; Kolibas, E.--Kolibash, E.

ORG: Psychiatric Clinic, Medical Faculty, UPJS, Kosice (Psychiatricka klinika lekarskej fakulty UPJS)

TITLE: Relation between the laterality of the alpha-rhythm and hemisphere dominance

SOURCE: Ceskoslovenska psychiatrie, no. 6, 1965, 378-383

TOPIC TAGS: EEG, brain, injury

ABSTRACT: 955 routine recordings of EEG in patients without an organic lesion showed 40 cases of outspoken assymetry of the alpha-rhythm. In these patients the ectoderm-mesenchym relation on the ocular fundus was examined to determine the genotypically dominant hemisphere. There is a significant relation between the amplitude of the imposed rhythms and the dominant hemisphere. On the dominant side the amplitude of the imposed rhythms is lower. Orig. art. has: 3 figures. [Based on authors' Eng. abst.] [JPRS: 34,161]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 009

Card 1/1 mjs

0920 0375

L 44738-66

ACC NR: AP6032879

SOURCE CODE: CZ/0083/65/000/006/0384/0388

AUTHOR: Medvecký, I. --- Medvetkiy, I.

ORG: Psychiatric Clinic, Medical Faculty, UPJS, Kosice (Psychiatricka klinika lekárskej fakulty UPJS)

TITLE: Psychopathological manifestations in cystic glandular hyperplasia

SOURCE: Československa psychiatrie, no. 6, 1965, 384-388

TOPIC TAGS: psychoneurotic disorder, hormone, gland, endocrinology

ABSTRACT: 20 cases with metrorrhagia caused by cystic glandular hyperplasia, histologically verified, are described. Psychotraumatizing factors are important in the development of the hyperplasia. Improvement in metrorrhagia was followed by psychopathological improvement; this picture included depression, anxious tensions, carcinophobia, vegetative stigmatization, and functional organ sensations. 65% of the patients had ancestors with psychiatric disorders. Clinical picture suggests a connection between psychic alteration and the surplus of estrogens and lack of progesterone. Orig. art. has: 2 tables. [Based on author's Eng. abst.] [JPRS: 34,161]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 006

Card 1/1 mjs

0420 0396

CZECHOSLOVAKIA

MEDVECKY, J.; ZAPATICKA, J.; SMALIK, S.; Department of Psychiatry, Medical Faculty, P.J. Šafárik University (Katedra Psychiatrie Lekárskej Fakulty UPJS), Kosice; Krajská Station of Blood Transfusions (Transfúzna Stanica), Kosice.

"Sex Chromatin of Neutrophil Leucocytes in Some Psychic Disorders."

Prague, Ceskoslovenska Psychiatrie, Vol 63, No 1, Feb 67, pp 45-49

Abstract: The authors investigated the occurrence of female sex chromatin in blood smears in emulation paranoias, paranoid conditions, and in pedophilias. 28 psychiatric patients were used in the investigation. The theory that male patients who suffer from mental aberrations would show definite characteristics of female sex chromatin could not be confirmed. Among 20 men with homosexual tendencies and 4 women with Lesbian tendencies no definite conclusions could be drawn concerning the character of the sex chromatin. 4 Figures, 5 Tables, no references. (Manuscript received 23 May 66).

1/1

WED VECKY, R

- (No copyright)
1. Specialization of Pharmacists and Preparation for the Qualification Examination 3. Ministry of Health of the USSR, Institute for Pharmaceutical Education (Pharmaceutical Education) (Moscow) 1981, pp 381-384.
2. "Correlation of the Party and strength of herbs. Attached with the Preparation of the Party. F. A. Kuznetsov, Institute for Pharmaceutical Education (Moscow) 1981, pp 381-384.
3. "Preparation of Medicines of Some Qualification Examinations as possible in the USSR and in the USSR, L. Kuznetsov, Institute for Pharmaceutical Education (Moscow) 1981, pp 381-384.
4. "Preparation of Medicines of Some Qualification Examinations as possible in the USSR and in the USSR, L. Kuznetsov, Institute for Pharmaceutical Education (Moscow) 1981, pp 381-384.
5. "Preparation of Medicines of Some Qualification Examinations as possible in the USSR and in the USSR, L. Kuznetsov, Institute for Pharmaceutical Education (Moscow) 1981, pp 381-384.
6. "Preparation of Medicines of Some Qualification Examinations as possible in the USSR and in the USSR, L. Kuznetsov, Institute for Pharmaceutical Education (Moscow) 1981, pp 381-384.

MEDVECKY, R.

562 ff

— 11 —

[illegible]

CZECHOSLOVAKIA

MEDVECKY, R.; DURINDA, J.; ZACKOVA, P.; KOPACOVA, L.; Chair of Pharmaceutical Chemistry, and Chair of Pharmacodynamics and of Toxicology, Pharmaceutical Faculty, Comenius University (Katedra Farmaceutickej Chemie a Katedra Farmakodynamiky a Toxikologie Farmaceutickej Fakulty UK), Bratislava.

"Relation Between the Chemical Structure, Antipyretic Activity, and Toxicity of Some Cinchophen Analogues."

Prague, Ceskoslovenska Farmacie, Vol 15, No 6, Jul 66, pp 291-293

Abstract [Authors' English summary modified]: Isomeric acids 6-methyl-2-(2-(or 3- and 4-)pyridyl)-cinchoninic and 2-(2-(or 3- and 4-)pyridyl)-cinchoninic were tested for antipyretic activity and toxicity. Antipyretic activity was determined in grey rabbits, toxicity in mice. 2-(2-pyridyl)-cinchoninic acid has a very strong antipyretic activity, 2-(3-pyridyl)-cinchoninic acid a very pronounced one, 6-methyl-2-(3-pyridyl) cinchoninic acid has a weak activity. Toxicity of these substances is lower than that of cinchophen, but higher than antipyrine. The most active substance is the most toxic one, its LD 50 is 470 mg/kg. 3 Figures, 1 Table, 12 Western, 4 Czech, 2 Egyptian, 1 East German reference. (Manuscript received 20 Dec 65).

MEDVECKKH, L. (Debrecen); SOMOGYI, G. (Debrecen)

Range of protons in the Agfa K2 nuclear emulsion. Acta phys Hung 13
no.2:163-167 '61.

1. Institute of Nuclear Research, Hungarian Academy of Sciences,
Debrecen. (for Medveczky) 2. Institute of Experimental Physics, Kossuth
University, Debrecen. (for Somogyi). Presented by A. Szalay.

DURINDA, J.; MEDVECSKY, R.; SZUCS, L.; MATUSKOVA, E.

Antitubercular agents. I. Preparation of some quinoline-4-carboxylic acid hydrazides substituted on the quinoline ring. Cesk. farm. 13 no.7:349-352 S 164.

1. Katedra farmaceutickej chemie Farmaceutickej fakulty University Komenskeho, Bratislava a lecebna tuberkulozy, kostelec n. Cernymi lesy.

SOMOGYI, I.; RIGO, J.; SOS, J.; MEDVECZKY, E.; FOLDES, I.

On the prevention of hypertension caused by D2-hypervitaminosis with extracts from mycobacteria. Acta med. acad. sci. Hung. 21 no.3:319-323 '65.

1. Stadtisches Krankenhaus (Direktor: Dr. I. Somogyi), Visegrad, Pathophysiologisches Institut (Direktor: Prof. Dr. J. Sos) der Medizinischen Universitat, Budapest, und Koranyi-Tuberkulose-Landesinstitut (Direktor: Dr. I. Boszormenyi), Budapest. Submitted March 18, 1965.

MEDVECZKY, Endre

Theoretical considerations on the reason of structural similarity of approved anti-tuberculous drugs and on the conditions of chemotherapeutic effects in general. Tuberkulozis 11 no.7-8:172-175 July-Aug 58.

1. Az Országos Korányi Tuberkulózis Intézet (igazgató: Boszörményi Miklós dr., tudományos vezető: Foldes István dr.) Biokémiai osztályának (O. V.: Erdős Tamás dr.) közleménye.

(TUBERCULOSIS, ther.

chemother., structural basis of ther. eff. (Hun))

(CHEMOTHERAPY

structural basis of ther. eff. (Hun))

TOMCSANYI, A.; MEDVECZKY, E.; ERDOS, T.

Effect of benzaldehyde derivatives on benzoic acid oxidase. Acta physiol. hung. 14 no.3:213-222 1958.

1. Koranyi National Tuberculosis Institute, Budapest.

(BENZOATES

benzaldehyde & its deriv., eff. on benzoic acid oxidase
activity in Mycobacterium frieburgensis)

(OXIDASES

benzoic acid oxidase in Mycobacterium frieburgensis, eff.
of benzaldehyde & its deriv. on activity)

(MYCOBACTERIUM, metab.

frieburgensis, eff. of benzaldehyde & its deriv. on benzoic
acid oxidase activity)

MARTON, Sandor, Dr.; BANYASZ, Tibor, Dr.; MEDVEZKY, Endre, Dr.

Experiences with sulfonylurea therapy in tuberculosis of diabetic patients. Orv. hetil. 99 no.26:878-884 29 June 58.

1. Az Orszagos Koranyi Tuberkulozis Intezet (igazgato: Boszormenyi Miklos dr. kandidatus, tudomanyos vezeto: Foldes Sandor dr. Kandidatus)

IX. Oszztalyanak (foorvos: Marton Sandor dr.) kozlemenye.

(ANTIDIABETICS, ther. use

diabetes mellitus with pulm. tuberc. (Hun))

(TUBERCULOSIS, PULMONARY, compl.

diabetes mellitus, ther. value of sulfonylurea antidiabetics (Hun))

MEDVE CZKY, Endre; VAKERDI, Laszlo, dr.; FOLDES, Istvan, dr.; LEVENDEL, Laszlo, dr.

Production of I^{131} -labeled purified tuberculin. Tuberkulozis 12
no.10:217-218 0 '59.

1. Az Orszagos Onkopathologiai Kutato Intezet (igazgato: Kellner
Bela dr. akademikus) es az Orszagos Koranyi Tbc. Intezet (igazgato:
Boszornenyi Miklos dr. kandidatus, tudomanyos vezető: Foldes
Istvan dr. kandidatus) kozlemenye.
(IODINE radioactive)

FOLDES, Istvan, dr.; LEVENEDEL, Laszlo, dr.; VEKERDI, Laszlo, dr.;
MEDVECZKY, Endre.

Studies on normal and tuberculous guinea pigs with I¹³¹-labeled
purified tuberculin. Tuberkulosis 12 no.10:219-222 0 '59.

1. Az Orszagos Onkopathologiai Kutato Intezet (igazgato: Kallner
Bela dr. akademikus) es az Orszagos Koranyi Tbc. Intezet (igazgato:
Boszormenyi Miklos dr. kandidatus; tudomanyos vezeto: Foldes
Istvan dr. kandidatus) kozlemenye.
(TUBERCULIN metab)

KERTAY, Nandor; MEDVECHY, Endre

A simple technic for the production of purified tuberculin.
Tuberkulozis 12 no.10:222-224 0 '59.

1. Az Orszagos Koranyi Tbc. Intezet (igazgato: Boszormenyi
Miklos dr. kandidatus, tudomanyos vezeto: Foldes Istvan dr.
kandidatus) Mikrobiologiai es Biokemiai osztalyanak (vezetok:
Kertay Nandor dr. kandidatus es Erdos Tamas dr. kandidatus)
kozlenenye.

(TUBERCULIN chem)

LEVENDEL, Laszlo, dr.; ABRAHAM, Ambrus, dr.; FOLDES, Istvan, dr.;
VEKERDI, Laszlo, dr.; MEDVECKY, Endre

Comparative neurohistological and radioautographical examinations
on allergic reactions caused by radiiodine-labeled tuberculin.
Tuberkulozis 13 no.9:259-261 S '60.

1. Az Országos Korányi Tbc Intézet (ig.: Boszormenyi Miklos dr.
kandidatus, tudományos ig.: foldes Istvan dr. kandidatus),
a szegedi Tudományegyetem Általános Állatani és Biológiai Intézete
(ig.: Abraham Ambrus dr. akadémikus, egyetemi tanár) és az
Onkopathológiai Kutató Intézet (ig.: Kellner Bela dr. akadémikus)
közleménye

(TUBERCULIN REACTION exper.)
(NERVOUS SYSTEM pathol.)

FOLDES, Istvan, dr.; LEVENDEL, Laszlo, dr.; MEDVECKY, Endre; TOPERCZER, Johanna, dr.; VEKERDI, Laszlo, dr.

Excretion in the urine of I-131-labeled tuberculin. Tuberkulozis 14 no.3:65-67 Mr '61.

1. Az Orszagos Koranyi Tbc Intezet (igazgato: Boszormenyi Miklos dr. kandidatus, tudomanyos igazgato: Foldes Istvan dr. kandidatus es az Onkopathologiai Kutato Intezet (igazgato: Kellner Bela dr. akademikus) kozlemenye.

(TUBERCULIN urine)

FOLDES, Istvan, dr.; TOMCSANYI, Attila, MEDVECHY, Endre; SCHWEIGER, Otto, dr.;
TOPERCZER, Johanna, dr.; VEKERDI, Laszlo, dr.

Linkage of purified I-131 labeled tuberculin to peritoneal exudates
in guinea pigs and rats. Tuberkulozis 14 no.7:203-206 J1 '61.

1. Az Orszagos Koranyi Tbc Intezet (Igazgato: Boszormenyi Miklos dr.
kandidatus, tudomanyos igazgato: Foldes Istvan dr. kandidatus) es az
Onkopathologiai Kutato Intezet (Igazgato: Kellner Bela dr. az MTA
lev. tagja) kozlemenye.

(TUBERCULIN metab)

MEDVECZKY, L.

The energy of neutrons from the reaction $\text{Be}^9(\alpha, n)\text{C}^{12}$. Acta
phys Hung 16 no.2:155-163 '63.

1. Nuclear Research Institute of the Hungarian Academy of
Sciences, Debrecen. Presented by A. Szalay.

MEDVECKY, Laszlo, kandidatus

Nuclear Research Institute, Hungarian Academy of Sciences. Term
tud kozl 8 no.3:141 Mr '64.

MEDEVESKY LASZLO

Category : HUNGARY/Optics - Optical Technique

K-4

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 4863

Author : Medveczky, Laszlo; Bujdosó, Erno

Title : Illumination of Dark-Field Microscope in the Photo-Emulsion Measurement of Energy of Fast Neutrons.

Orig Pub : Magyar fiz. folyoirat, 1955, 3, No 2, 129-135

Abstract : By illuminating a dark-field microscope using an azimuth diaphragm placed in the plane of the aperture diaphragm of a condenser with a bright field, it was possible to see a large emulsion volume with small magnification and it became possible to observe only the trajectories with azimuth angles of $\pm 25^\circ$, i.e., only 28 -- 30% of all the trajectories encountered. In the case of low neutron intensity, this method facilitates considerably the detection of trajectories in the emulsion.

Card : 1/1

Category : ~~HUNGARY~~ Nuclear Physics-- Instruments and Installations. Methods of Measurement and Investigation

C-2

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 308

Author : Medveczky, Laszlo

Inst : Debreceni Fizikai Kutató Intézet, Hungary

Title : Investigation of the Energy Spectrum of Neutrons from a Po-Be Source, Using the Photographic Emulsion Method.

Orig Pub : Magyar Tud. akad. mat. es fiz. oszt. Koze., 1955, 5, No 4, 481-490

Abstract : The beryllium is bombarded with x-particles from a polonium point source. The neutrons of the $\beta e^2(\alpha, n)C^{12}$ reaction were recorded by means of the recoil electrons in a photographic emulsion. Approximately 12,000 tracks of protons were observed. The histogram of the tracks displays three maxima at 1.3, 4.4, and 6.9 Mev. The maximum neutron energy is 10.7 Mev. The spectrum observed by the author differs from those previously known and the difference can be explained by the special geometry of the experiment.

Card : 1/1

MEDVECZKY, L.

Goniometric head on a microscope. p. 259. MAGYAR FIZIKAI
FOLYOIRAT. (Magyar Tudomanyos Akademia) Budapest. Vol. 4,
no. 3, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress.
Vol. 5, No. 11, November 1956.

Medvezky, L.

3
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599.172.11
INVESTIGATION OF THE ENERGY SPECTRUM OF
NEUTRONS FROM A Po-Be SOURCE WITH THE PHOTOGRAPHIC
EMULSION METHOD. L. Medvezky.

Acta phys. Hungar., Vol. 5, No. 1-2 (1956).
Thick-layered Be was bombarded with α -particles of a small-
diameter Po preparation. The distribution of neutron-emission
energy associated with the $\text{Be}(\alpha, n)\text{C}^{12}$ nuclear process was deter-
mined by the measurement of recoil-proton tracks incident in the
nuclear emulsion. The energy spectrum obtained by the measure-
ment of more than 12000 tracks showed three maxima (1.3, 4.4,
9.9 MeV) and the observed upper limit of neutron energy was
10.7 MeV. The distribution of energy observed showed considerable
disagreement with results known from literature. This can be
accounted for by the fact that the number of measurements contribut-
ing to the present result exceeds by far the number of measure-
ments carried out by other authors. Furthermore, the divergence
of irradiation geometry offers a very favourable opportunity of ob-
servation when a source of small diameter is used.

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MEDVECZKY, L.

71
Laboratory-scale vacuum distillation apparatus. Istvan
Berez and Laszlo Medveczky. *Magyar Fiz. Folyóirat* 5,
533-6(1957).—The app. consisted of a system of rotation
and diffusion pumps. A vacuum of 10^{-4} to 10^{-5} mm. Hg
could be attained. The vacuum was measured with a
combination of thermoelec. and magnetron ionization gages.
Ca) A low-voltage, high-current (160 amp.) transformer was
V. used for heating. E. R.

3

Qc

MEDVECKY, LASZLO

HUNGARY/Nuclear Physics - Installations and Instruments. Methods C-2

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 14983

Author : Bajdoso Erno, Medveczky Laszlo, Totok Sandor

Inst : Not Given

Title : Nomograms for Measurement of Energy of Neutrons in Photoemulsion.

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 3, 229-239

Abstract : Description of nomograms with which it is possible to determine the energy of the neutron in photoemulsion in the energy interval from 0.5 to 14 Mev with an accuracy of 1 to 3%.

Card : 1/1

MEDVECZKY LASZLO

HUNGARY/Nuclear Physics - Installations and Instruments. Methods of C-2
Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10085

Author : Bujdosó Erno, Medveczky Laszlo
Inst : Not Given
Title : Processing of Nuclear Photoemulsions

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 4, 353-360

Abstract : No abstract

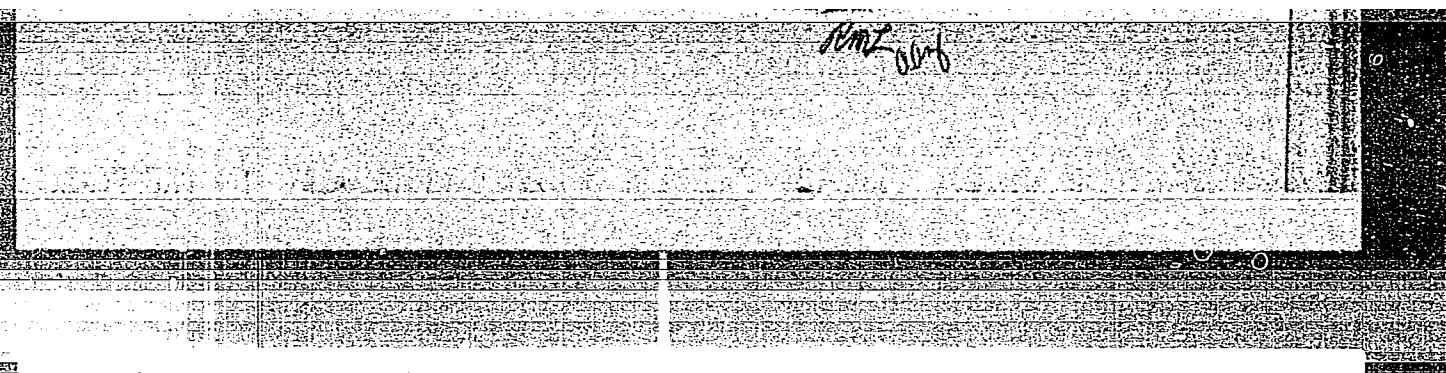
Card : 1/1

MEDVEZKY, L.

Dark-field microscopic illumination for energy measurements of fast neutrons with photographic emulsions. L. Medvecky (Hung. Acad. Sci., Budapest)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033220011-8



APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033220011-8"

MEDVECKY, L.
HUNGARY/Nuclear Physics - Instruments and Installations. Methods of C-2
Measurement and Investigation

Abs Jour : Ref Zhur - Fizika, No 2, 1958. No 2808

Author : Bujdosó, E., Medveczky, L.
Inst : Institute for Atomic Research, Hungarian Academy of Sciences,
Debrecen, Hungary
Title : Investigation of Sensitive Emulsions Agfa K2 with the Aid of
the Isotope I^{131} .

Orig Pub : Acta phys. Acad. sci. hung., 1957, 7, No 1, 135-140

Abstract : To determine the sensitivity limit of K2 emulsions Agfa K2
plates 100 microns thick were saturated with the isotope I^{131}
were dried in a stream of cold air and developed ten days
after impregnation. Then the length of the electron ranges
and the density of the grains in the tracks in the emulsion
were measured in the developed plates. It is shown that the
emulsions record satisfactorily tracks of electrons having
energies up to 85 -- 90 kev. Tracks of higher energy electrons
consist of individual very sparse grains. Measurements show
that the number of high sensitivity grains (capable of re-
cording tracks of high energy electrons) amounted to nearly 2--
4% of the total number of grains in the K2 emulsion.

Card : 1/1

MEDEVCECKY, LASZLO

HUNGARY/Nuclear Physics - Installations and Instruments. Methods C-2
of Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 14985

Author : Bujdosó Erno, Medveczky Laszlo, Szalay Sandor
Inst : Not Given
Title : Investigation of Radioactivity of Coal Ash by the Photo-
emulsion Method

Orig Pub : Magyar tud. akad. Mat. es fiz. tud. oszt. kozl., 1957, 7,
No 2, 129-135

Abstract : The purpose of the work consisted of determining the concen-
tration of uranium in grains of ash obtained when burning coal
containing uranium. The results of the investigations, carried
out by the photoemulsion method, have shown that in most cases
the uranium fuses with the ash into small spheres of definite
diameter and density, and the average contents of pure uranium
in these spherical grains of ash reaches 0.65% approximately.

Card : 1/1

MEDVECZKY, László.

19
3
Preparation and properties of a new nuclear emulsion (Forts. P/22). László Medveczky and Alfred Polster. Magyar Tudományos Akad. Mat. és Fiz. Tudományok Osztályának Közleményei 7, 145-62 (1957).—A nuclear emulsion was prepd. for measurements of cosmic radiation, neutron energies from recoil protons, and low-intensity radiation, which requires long exposure times. It compared favorably with Agfa K2, Kodak NT4, and Ilford B1 emulsions, and gave almost identical d. energy plots as Ilford C2. The characteristic properties are humidity (air dried) 50%, AgBr 80.85%, gelatin 14.05%, and glycerol 2.35%. The nuclear emulsions were sensitized with org. compds., the best results were accomplished with 1-phenyl-2-methyl-3,5-bis(p-dimethylaminostyryl)-2-pyrazolinium iodide 6.5 mg./g. Ag. The range-energy relation was investigated with sources of Th daughters. Histograms prepd. from the counting of 1800 tracks agreed with results from the literature. The sensitivity was detd. in emulsions exposed to cosmic rays at the Stalin peak in Bulgaria. Energy tracks 7910 μ long having an energy of 45.9 m.e.v. were observed. The inverse relation d. of Ag particle-energy was detd. from a 5154- μ proton track besides the 7910- μ track. The following energies can be registered in the emulsion, electrons to 0.03, mesons to 5.5, protons to 50, deuterons to 100, and α -particles to 1500 m.e.v. E. Rose

SB
11

Medveczky, L.

HUNGARY/Nuclear Physics - Installations and Instruments. Methods of 1-2
Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10083

Author : Bujdos, E., Medveczky, L., Torok, S.

Inst : Institute of Nuclear Research, Hungarian Academy of Sciences,
Debrecen, Hungary

Title : Nomograms for Fast Neutron Spectroscopy

Orig Pub : Acta phys. Acad. sci. hung., 1957, 7, No 3, 373-377

Abstract : The measurement of the energy distribution of fast neutrons with the aid of photoemulsions represents a laborious problem. The difficulties increase particularly in the study of the spectrum of neutrons with a broad energy band. In processing the tracks, the authors propose to use two nomograms. The first nomogram gives the dependence of the proton energy and the angle between the direction of the proton and the plane of the plate on the depth of the track and the length of its projection on the plane of the plate. With the aid of a second nomogram, it is possible to determine the value of the angle

Card : 1/2

HUNGARY, Nuclear Physics - Installations and Instruments. Methods of
Measurement and Research

Abs. Jour. : Radiat. Zhar - Fizika, No 5, 1958, No 10083

Between the proton and the neutron and, knowing the angle and
the energy of the recoil proton it is possible to determine
the neutron energy. The authors believe that the errors pro-
duced by a nomogram do not exceed 1%. The limits of variation
of the neutron energy range from 0.5 to 14 Mev.

Card : 2/2

MEDVECKY, L.

HUNGARY / Physical Chemistry. Radiochemistry.
Isotopes.

B

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 63642

Author : Bujdoso E, Medveczky L, Szalay A.
Inst : Not given
Title : The Investigation of the Uranium Content of
Coal Ashes by Means of Nuclear Emulsions.

Orig Pub: Acta phys. Acad. sci. hung., 1957, 8, No 1-2,
195-201

Abstract: By microscopic investigation of developed
nuclear photoplates, in the emulsions of which
the ashes of uranium-content brown coals had
been distributed for 100 days before the develop-

Card 1/2

HUNGARY/Nuclear Physics - Installations and Instruments. Methods of C-2
Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 10, 1958, No 22232

Author : Medvešzky L., Folster A.

Inst : Not Given

Title : New Nuclear Emulsion Forte F/22.

Orig Pub : Acta. phys. Acad. sci. hung., 1957, 8, No 1-2, 211-230

Abstract : The authors have investigated the factors that influence the
manufacture of nuclear emulsions. On the basis of these
investigations, they have developed a new nuclear emulsion,
which makes it possible to register electrons with energies
up to 30 kev.

Card : 1/1

HUNGARY/Nuclear Physics - Installations and Instruments.
Methods of Measurement and Research

C

Abs Jour : Ref Zhur Fizika, N 8, 1959, 17206

Author : Medveczky, Laszlo

Inst : -

Title : Nuclear Emulsion "Forte P/22"

Orig Pub : Energia es Atomtechn., 1958, 11, No 4-5, 317-320

Abstract : The author describes briefly the technology of preparation and photographic properties of medium-sensitivity emulsion "Forte P/22", prepared at the Institute for Nuclear Research at Debrecen, Hungary. The emulsions register particles with velocities up to 0.31 c.

Card 1/1

MEDVECZKY, Laszlo

Energy spectrum of $^{135}\text{Ie}(\gamma, n)$ neutron sources. ATOMKI közl.
3 no. 2/3:133-157 '61.

1. Magyar Tudományos Akademia Atommag Kutató Intézete, Debrecen; "ATOMKI Közlemények" szerkesztő bizottsági tagja.

03405

S/089/62/013/006/011/027
B102/B186AUTHOR: ~~Medvedsky, L.~~

TITLE: Neutron spectra of Po-Be and Ra-Be sources

PERIODICAL: Atomnaya energiya, v. 13, no. 6, 1962, 583 - 587

TEXT: The neutron energy spectra of Po-Be and Ra-Be measured by different authors show only qualitative agreement. Continuing earlier measurements (Atomi KBzl., 3, 133, 1961; Acta Phys. Hung., 6, 261, 1956) the energy spectra of neutrons from two types of Po-Be sources were measured with 2μ Agfa-K2 emulsion plates. The sources came from USSR (source I) and from Great Britain (source II), their initial activity was $8.2 \cdot 10^6$ n/sec and $3.09 \cdot 10^7$ n/sec ($\pm 10\%$), both were cylindrical, 18.5 and 17 mm high, 189 and 67.1 mm³ of emulsion were scanned and 7662 and 4960 tracks were evaluated. The positions of the main peaks observed (3.1, 4.2, 4.8, 6.4, and 7.4 Mev) agreed for both sources, but the intensities differed, most for the 3.1 and 4.2 Mev peaks. Because of the differences in the shape of the neutron energy spectra obtained by different authors the mean neutron energy was

Card 1/2

Neutron spectra of...

S/089/62/013/006/011/027
B102/B186

found to vary also between 3.9 (Phys. Rev. 78, 799, 1950) and 5.58 Mev (source II). The Ra-Be source checked was a 12-mm high and 10-mm thick cylinder containing 50 mCu RaCl_2 . The measurements were made with Ilford-C2, Forte-P/22 and Agfa-K2 plates, 437 mm³ of emulsion were scanned and 4174 tracks were evaluated. The neutron energy spectrum covered the region between 0.3 and 11.5 Mev, 70% of the intensity were between 1 and 6.5 Mev. The mean energy was 4.6 Mev. The results obtained differ somewhat from those obtained by other authors. There are 4 figures and 1 table.

ASSOCIATION: Institut yadernykh issledovaniy AN Vengerskoy Narodnoy Respubliki, Debretsen (Institute of Nuclear Research, Hungarian People's Republic, Debrecen)

SUBMITTED: May 29, 1962

Card 2/2

MEDVE CZKY, Laszlo; PETER, Ferenc; LAMPE, Laszlo

Some results obtained with radioautographic technics. Kiserl.
orvostud. 14 no.1:49-55 Mr '62.

1. Magyar Tudomanyos Akademia Atommag Kutato Intezete Debrecen es
Debreceni Orvostudomanyi Egyetem Gyermek-es Szuleszeti-Nogyogyaszati
Klinikai.

(RADIOAUTOGRAPHY)

LAMPE, L.; KERTESZ, L.; PETER, F.; MEDVECZKY, L.

Intrauterine iodine metabolism. Acta physiol. hung. 20 no.1:
11-22 '61.

1. Department of Gynaecology and Obstetrics, and Department of
Paediatrics, Medical University, Debrecen; Nuclear Research Institute,
Hungarian Academy of Sciences, Debrecen.
(IODINE metabolism) (PREGNANCY metabolism)
(THYROID GLAND in pregnancy) (FETUS metabolism)

LAMPE, L.; MEDVECZKY, L.; KERTESZ, L.

Storage of iodine in the foetal thyroid. Acta physiol. acad. sci. hung.
20 no.4:385-391 '61.

1. Department of Gynaecology and Obstetrics, Medical University,
Debrecen, Institute of Nuclear Research of the Hungarian Academy of
Sciences, Debrecen.

(IODINE metab) (THYROID GLAND embryol)

JENEY, Andreas; PETER, Franz; KERTESZ, Ladislaus; JENEY, Andreas, jr.;
MEDVE CZKY, Ladislaus

Experiments on the strumigenic action of flavone dyes. II. Studies
with I-131. J. hyg. epidem. 6 no.2:230-235 '62.

1. Hygienisches Institut der medizinischen Universität zu Debrecen
und Institut für Atomkernforschung der Ungarischen Akademie der
Wissenschaften zu Debrecen.

(VITAMIN P pharmacology) (THYROID GLAND pharmacology)
(IODINE metabolism)

MEDVED, A.; FILIPOVIC, I.

Polarographic investigations of some metal monocarboxylato complexes. Pt. 3. Croat chem acta 35 no.1:51-59 '63.

1. Laboratory of Inorganic Chemistry, Faculty of Technology,
University of Zagreb, Zagreb, Croatia, Yugoslavia.

MEDVED, A.

Polarographic studies of monocarboxylato complexes of
some metal ions. Bul sc Youg 8 no. 1/2: 22 F-Ap '63.

1. Biotehnoski odjel, Tehnoski fakultet, Sveuciliste
Zagreb.

LEED, D., A. I.

"Anatomical Changes in the Cutaneous Coverings of White Mice Following
Their Exposure to Roentgen Rays."

Vestnik venerologii i dermatologii (Bulletin of Venereology Dermatology),
No 1, January-February 1951, (Moscow) Moscow.

MELOVED', A.I., Cand Med Sci—(diss) "Anatomical changes in the integumenta
of white mice under the effect of ~~X-rays~~." Kazan', 1958. 9 pp (Kazan'
State Med Inst), 200 copies (KI,30-'8,133)

- 3 -

L 26656-66 EWT(m) DIAAP

ACC NR: AP6017117

SOURCE CODE: UR/0048/65/029/012/2205/2224

AUTHOR: Balalayev, V. A.; Dzhalapov, B. S.; Medvedev, A. I.; Uchevatkin, I. F.; 52
Shestopalova, S. A. 50

ORG: All Union Scientific Research Institute of Metrology, im. D. I. Mendeleev 13
(Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii)

TITLE: New data on Ce sup 135 decay [This paper was presented at the 15th Annual
Conference on Nuclear Spectroscopy and the Structure of the Atomic Nucleus, held in
Minsk from 25 January to 2 February 1965]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 12, 1965, 2205-2224

TOPIC TAGS: radioactive decay, cerium, electron spectrum, electron energy,
radioisotope, gamma spectrum, electron transition

ABSTRACT: To verify the electron transitions of Ce¹³⁵ having energies of 87 ± 1 and 120 ± 1 kev, a new study was made of the conversion electron spectra of the isotope in the electron energy range from 42 to 85. Earlier studies had included energies up to 2660 kev, but since the energy of Ce¹³⁵ decay can reach 28000 kev, this study was extended from 2660 to 3090 kev. The results obtained are compared with those of K. Takahashi, et al., J. Phys. Soc. Japan, Vol. 19, No. 11, p 2014 (1964) in a table, and a systematic discrepancy is noted: the Japanese energy measurements are consistently lower (ranging from 0.3 to 2.7%) than those obtained in this paper. 19

Card 1/2

L 26656-66

ACC NR: AP6017117

In the remainder of the paper the authors treat the relative intensities in the gamma-ray spectrum of Ce^{135} , determine the multipolarity of the transitions in La^{135} , plot curves for the photoelectron spectrum of Ce^{135} , tabulate transition intensities for the decay of Ce^{135} , tabulate transition intensities for the decay of $Ce^{135} \rightarrow La^{135}$, calculate 35 energy coincidences among the transitions between the excited states of La^{135} , discuss the decay scheme of Ce^{135} , and analyze the balance of intensities over the levels of La^{135} . The authors thank Ye. Ye. Bondar', A. Mashter, and L. I. Shalayev for assistance in making the measurements; K. Ya. Gromov and Zh. T. Zhelev for supplying the sources; N. A. Lebedev for the chromatographic separations of fractions; L. K. Pekar for useful discussions, and N. N. Kolesnikov for calculating the mass difference of the nuclei $Ce^{135} \rightarrow La^{135}$. Orig. art. has: 4 figures and 6 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 014 / OTH REF: 002

Card 2/2

26654-66 EWT(1)/EWT(m) DIAAP/IJP(c) JD/JG/AT

ACC NR: AP6017120

SOURCE CODE: UR/0048/65/029/012/2250/2254

AUTHOR: Balalayev, V. A.; Dzhalapov, B. S.; Medvedev, A. I.; Meshter, A. ⁵⁰ BORG: All-Union Scientific Research Institute of Metrology im. D. I. Mendeleev
(Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii); Radium Institute im.
V. G. Khlopin, AN SSSR (Radiyevyy institut AN SSSR) 27TITLE: New data on the conversion electron spectra of La sup 140 [This paper was
presented at the 15th Annual Conference on Nuclear Spectroscopy and the Structure of
the Atomic Nucleus, held in Minsk from 25 January to 2 February 1965.]SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 12, 1965, 2250-2254

TOPIC TAGS: electron spectrum, lanthanum, spectrometer, electron energy

ABSTRACT: The purpose of this paper is to refine the data on the conversion electrons
of La¹⁴⁰ at energies above 2.2 Mev. The authors use the $2 \times 11 (2)^2$ beta spectrometer
of the All-Union Scientific Research Institute of Metrology. Conversion lines of
transitions both above and below 2200 keV are plotted in curves and tabulated. No
lines were observed in the range from 2530 to 2830 keV. The line K₄₃₂ was found to
differ from earlier results. No evidence of doublet structure of the line K₁₅₉₆,
claimed by Nakvi and Hogg (Phys. Ref. vol. 128, p. 357 (1962)), was observed. The
authors thank L. N. Moskvina for preparing the sources. Orig. art. has: 3 figures
and 2 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 008 / OTH REF: 002

Card 1/1 ✓ 2

MEDVED', A.Ye

FREYDZON, A.I.; BAKHAREV, A.M.; MEDVED', A.Ye.

Weather contrasts in the winter of 1956-1957. Priroda 46 no.9:91-94
S. '57. (MLRA 10:8)

1. Leningradskoye byuro pogody (for Freydzon). 2. Stalinabadskaya
astronomicheskaya observatoriya Akademii nauk Tadzhikskoy SSR (for
Bakharev, Medved').

(Tajikistan--Climate)

TRNKA, Antonin, inz.; PICHLIK, Vaclav, inz.; PRAZAK, Josef, inz.; ROULE, M.
inz.; MIKSOVSKY, M., inz.; MEDVED, B., inz.

Technical economic mapping and the development of technology.
Geod kart obzor 10 no.9/10:222-226 0 '64

ME DVE D B.V.

7 1-10-72

333 AEC-11-2236
TOTAL CROSS SECTIONS FOR THE PROTON-PROTON
INTERACTION IN THE ENERGY INTERVAL 410-660 MEV.

V. P. Dzhelepov (Dzhelepov), V. I. Moskalev, and B. V. ^{NU}

Abstract Translation of a pre-print from I.N.P. of A.C. Sci.

U.S.S.R. by M. B. Karelin and L. W. Smith, 10p.

Experiments to determine the total proton-proton interaction cross section at energies greater than 400 Mev have been performed using a collimated 660 Mev proton beam from a synchrocyclotron. Results are tabulated and indicate that the cross section increases rapidly with energy for energies exceeding 400 Mev. The total cross sections for inelastic processes (meson production) in this energy range have been determined from the measurements and available data on elastic p-p scattering. (M.P.G.)

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One MET

MEDVED, Gabor, okleveles mernok

Design, prefabrication and construction of stressed bridge constructions in the Soviet Union; an account of a study trip. Melyepitestud szemle 13 no.2/3:84-93 F-Mr '63.

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